

## Author Index to Volume 205

- Agreiter, J., see G.M. Lask 205 (1993) 31
- Ågren, H., see S. Svensson 205 (1993) 387
- Ågren, H., see Y. Luo 205 (1993) 555
- Akhtar, F., see L. Lian 205 (1993) 487
- Allen, M.D., see M.A. Anderson 205 (1993) 415
- Alonso, J.A., see O.V. Gritsenko 205 (1993) 348
- Anderson, M.A., M.D. Allen, W.L. Barclay Jr. and L.M. Ziurys, The millimeter and sub-millimeter spectrum of the BaOH radical 205 (1993) 415
- Andrews, S.R. and D.E. Parry, Theoretical analysis of double charge transfer spectra for tungsten hexacarbonyl 205 (1993) 102
- Antonious, M.S., see H. Wang 205 (1993) 497
- Aquilanti, V., B. Brunetti, F. Vecchiocattivi, T. Letardi, H. Fang and S. Fu, Role of HCl ionization by metastable neon atoms in XeCl laser kinetics 205 (1993) 229
- Awaji, H., see N. Kobayashi 205 (1993) 51
- Baguenard, B., M. Pellarin, C. Bordas, J. Lermé, J.L. Vialle and M. Broyer, Shell structure of small indium clusters below  $N \approx 200$  atoms 205 (1993) 13
- Baird, D.M., see H. Wang 205 (1993) 497
- Balbás, L.C., see O.V. Gritsenko 205 (1993) 348
- Barclay Jr., W.L., see M.A. Anderson 205 (1993) 415
- Barone, V., C. Minichino, H. Faucher, R. Subra and A. Grand, Theoretical investigation of the EPR spectrum of the cyclopropyl radical 205 (1993) 324
- Bauschlicher Jr., C.W. and H. Partridge, Comment on "A MRCI PS and CASSCF study of the ground state MgO dissociation energy" 205 (1993) 479
- Beauregard, J.N. and H.R. Mayne, The role of reactant rotation and rotational alignment in the dissociative chemisorption of hydrogen on Ni(100) 205 (1993) 515
- Berghmans, H., see M. Berghmans 205 (1993) 140
- Berghmans, M., S. Govaers, F.C. de Schryver and H. Berghmans, Thermoreversible gelation of isotactic poly(styrene) studied by fluorescence spectroscopy 205 (1993) 140
- Berryhill, J., S. Pramanick, M.Z. Zgierski, F. Zerbetto and B.S. Hudson, Resonance Raman activity in odd quanta of the trans bending vibration of acetylene: strong vibronic coupling in the  $\tilde{X}$  to  $\tilde{A}$  and  $\tilde{X}$  to  $\tilde{B}$  transitions 205 (1993) 39
- Bertsch, G., see Y. Wang 205 (1993) 521
- Birkett, P.R., H.W. Kroto, R. Taylor, D.R.M. Walton, R.I. Grose, P.J. Hendra and P.W. Fowler, The Raman spectra of  $C_{60}Br_6$ ,  $C_{60}Br_8$  and  $C_{60}Br_{24}$  205 (1993) 399
- Biver III, C.J., see B. Stevens 205 (1993) 440
- Bixon, M., see J. Jortner 205 (1993) 451
- Bondybey, V.E., see G.M. Lask 205 (1993) 31
- Bordas, C., see B. Baguenard 205 (1993) 13
- Bowers, C.R., H.W. Long, T. Pietrass, H.C. Gaede and A. Pines, Cross polarization from laser-polarized solid xenon to  $^{13}CO_2$  by low-field thermal mixing 205 (1993) 168

## Author Index to Volume 205

- Agreiter, J., see G.M. Lask 205 (1993) 31
- Ågren, H., see S. Svensson 205 (1993) 387
- Ågren, H., see Y. Luo 205 (1993) 555
- Akhtar, F., see L. Lian 205 (1993) 487
- Allen, M.D., see M.A. Anderson 205 (1993) 415
- Alonso, J.A., see O.V. Gritsenko 205 (1993) 348
- Anderson, M.A., M.D. Allen, W.L. Barclay Jr. and L.M. Ziurys, The millimeter and sub-millimeter spectrum of the BaOH radical 205 (1993) 415
- Andrews, S.R. and D.E. Parry, Theoretical analysis of double charge transfer spectra for tungsten hexacarbonyl 205 (1993) 102
- Antonious, M.S., see H. Wang 205 (1993) 497
- Aquilanti, V., B. Brunetti, F. Vecchiocattivi, T. Letardi, H. Fang and S. Fu, Role of HCl ionization by metastable neon atoms in XeCl laser kinetics 205 (1993) 229
- Awaji, H., see N. Kobayashi 205 (1993) 51
- Baguenard, B., M. Pellarin, C. Bordas, J. Lermé, J.L. Vialle and M. Broyer, Shell structure of small indium clusters below  $N \approx 200$  atoms 205 (1993) 13
- Baird, D.M., see H. Wang 205 (1993) 497
- Balbás, L.C., see O.V. Gritsenko 205 (1993) 348
- Barclay Jr., W.L., see M.A. Anderson 205 (1993) 415
- Barone, V., C. Minichino, H. Faucher, R. Subra and A. Grand, Theoretical investigation of the EPR spectrum of the cyclopropyl radical 205 (1993) 324
- Bauschlicher Jr., C.W. and H. Partridge, Comment on "A MRCI PS and CASSCF study of the ground state MgO dissociation energy" 205 (1993) 479
- Beauregard, J.N. and H.R. Mayne, The role of reactant rotation and rotational alignment in the dissociative chemisorption of hydrogen on Ni(100) 205 (1993) 515
- Berghmans, H., see M. Berghmans 205 (1993) 140
- Berghmans, M., S. Govaers, F.C. de Schryver and H. Berghmans, Thermoreversible gelation of isotactic poly(styrene) studied by fluorescence spectroscopy 205 (1993) 140
- Berryhill, J., S. Pramanick, M.Z. Zgierski, F. Zerbetto and B.S. Hudson, Resonance Raman activity in odd quanta of the trans bending vibration of acetylene: strong vibronic coupling in the  $\tilde{X}$  to  $\tilde{A}$  and  $\tilde{X}$  to  $\tilde{B}$  transitions 205 (1993) 39
- Bertsch, G., see Y. Wang 205 (1993) 521
- Birkett, P.R., H.W. Kroto, R. Taylor, D.R.M. Walton, R.I. Grose, P.J. Hendra and P.W. Fowler, The Raman spectra of  $C_{60}Br_6$ ,  $C_{60}Br_8$  and  $C_{60}Br_{24}$  205 (1993) 399
- Biver III, C.J., see B. Stevens 205 (1993) 440
- Bixon, M., see J. Jortner 205 (1993) 451
- Bondybey, V.E., see G.M. Lask 205 (1993) 31
- Bordas, C., see B. Baguenard 205 (1993) 13
- Bowers, C.R., H.W. Long, T. Pietrass, H.C. Gaede and A. Pines, Cross polarization from laser-polarized solid xenon to  $^{13}CO_2$  by low-field thermal mixing 205 (1993) 168

Brauer, H.-D., see U. Katscher	205 (1993) 75
Brenton, A.G., see R.S. Hiemstra	205 (1993) 236
Broyer, M., see B. Baguenard	205 (1993) 13
Brunetti, B., see V. Aquilanti	205 (1993) 229
Brunvoll, J., see S.J. Cyvin	205 (1993) 343
Burde, D.H., T.T. Yang and R.A. McFarlane, Temperature dependence of the collisional deactivation of $I(^2P_{1/2})$ by $I_2$ and $O_2$ from 300 to 600 K	205 (1993) 69
Bürger, H., see M. Halonen	205 (1993) 380
Cenian, A., see S. Hennig	205 (1993) 354
Chang, Y.-T. and G.H. Loew, The reaction of atomic oxygen with methanethiol. A theoretical study of the structures and the potential energy surface	205 (1993) 543
Chapo, C., see J. Szczepanski	205 (1993) 434
Chen, J.-A., T.-S. Lee, T.-Y. Dong and S.-L. Lee, Effect of twisting mode on electron-transfer rate of mixed-valence biferrocenium systems	205 (1993) 80
Cho, G. and J.P. Yesinowski, Multiple-quantum NMR dynamics in the quasi-one-dimensional distribution of protons in hydroxyapatite	205 (1993) 1
Clifton, C.L., see R.E. Huie	205 (1993) 163
Coté, R., see A. Ioannidis	205 (1993) 46
Curtiss, L.A. and G. Scholz, The vapour phase complex $HF-AlF_3$ . A new ab initio molecular orbital study	205 (1993) 550
Cyvin, B.N., see S.J. Cyvin	205 (1993) 343
Cyvin, S.J., J. Brunvoll and B.N. Cyvin, Isomers of polycyclic conjugated hydrocarbons with different ring sizes	205 (1993) 343
Dapprich, S. and G. Frenking, The keto/enol tautomerism of selenoformamide and telluroformamide	205 (1993) 337
De Dios, A.C. and E. Oldfield, Methods for computing nuclear magnetic resonance chemical shielding in large systems. Multiple cluster and charge field approaches	205 (1993) 108
De Maaier-Gielbert, J., see M.F.H. van Tol	205 (1993) 207
De Schryver, F.C., see M. Berghmans	205 (1993) 140
Dodelet, J.P., see A. Ioannidis	205 (1993) 46
Domcke, W., see L. Seidner	205 (1993) 117
Dong, T.-Y., see J.-A. Chen	205 (1993) 80
Donovan, R.J., T. Ridley, K.P. Lawley and P.J. Wilson, Observation of the three lowest $\Omega=1$ ion-pair states of $ICl$ using double-resonance ionisation nozzle-cooled spectroscopy	205 (1993) 129
Du, Y., see Y. Zhang	205 (1993) 508
Eden, J.G., see G. Rodriguez	205 (1993) 371
Effenberger, F., see N. Holl	205 (1993) 25
Emele, P., see N. Holl	205 (1993) 25
Engst, P., see P. Kubát	205 (1993) 429
Ernst, R.R., see M. Tomaselli	205 (1993) 145
Fang, H., see V. Aquilanti	205 (1993) 229
Faucher, H., see V. Barone	205 (1993) 324
Fehér, M., T. Pasinszki and T. Veszprémi, The ab initio equilibrium structures of germyl pseudohalides	205 (1993) 123

Fernandez-Prini, R., see D. Laria	205 (1993) 260
Flament, J.P., see H. Lavendy	205 (1993) 456
Fowler, P.W., see P.R. Birkett	205 (1993) 399
Francis, A.H., see M.R. Savina	205 (1993) 200
Frenking, G., see S. Dapprich	205 (1993) 337
Frenklach, M., see H. Wang	205 (1993) 271
Freudenberg, Th., see W. Radloff	205 (1993) 171
Fu, S., see V. Aquilanti	205 (1993) 229
Fujimura, Y., see Y. Naitoh	205 (1993) 423
Fukuda, A., see K. Kajikawa	205 (1993) 225
Fukushima, N., see K. Waizumi	205 (1993) 317
Gabriel, H., see S. Hennig	205 (1993) 354
Gaede, H.C., see C.R. Bowers	205 (1993) 168
Gao, Z., see N. Zhang	205 (1993) 178
García Cuesta, I., A. Sánchez de Merás and I. Nebot Gil, Reply to Comment on "A MRCI PS and CASSCF study of the ground state MgO dissociation energy"	205 (1993) 484
Gardiner Jr., W.C., see S.M. Hwang	205 (1993) 157
Ghiordănescu, V., M. Vodă and C. Pedrini, Spectroscopy of $Mn^{2+}$ ions in $CdCl_2$	205 (1993) 410
Glukhovtsev, M.N., P. von R. Schleyer, N.J.R. van E. Hommes and V.I. Minkin, Are the $C_{4v}$ complexes of cyclobutadiene with CO, $NO^+$ , and CS minima?	205 (1993) 529
Govaers, S., see M. Berghmans	205 (1993) 140
Grand, A., see V. Barone	205 (1993) 324
Granucci, G. and M. Persico, Benzene- $O_2$ interaction potential from ab initio calculations	205 (1993) 331
Gray, K.A., see U. Stafford	205 (1993) 55
Gritsenko, O.V., A. Rubio, L.C. Balbás and J.A. Alonso, Non-local exchange and local Coulomb correlation energy density functionals for finite many-electron systems	205 (1993) 348
Grose, R.I., see P.R. Birkett	205 (1993) 399
Hackett, P.A., see L. Lian	205 (1993) 487
Haky, J.E., see H. Wang	205 (1993) 497
Halonen, L., see M. Halonen	205 (1993) 380
Halonen, M., L. Halonen and H. Bürger, The second stretching overtone band system of $^{116}SnH_4$ at $5539\text{ cm}^{-1}$ : how close to the local mode limit?	205 (1993) 380
Hammerstad-Pedersen, J.M., M.H. Jensen, Y.I. Kharkats, A.M. Kuznetsov and J. Ulstrup, A view of fast charge separation in the bacterial photosynthetic reaction centre involving weak environmental damping of a populated auxiliary chlorophyll state	205 (1993) 591
Harmony, M.D., see S. Xu	205 (1993) 502
Harris, R.A., see Y. Shi	205 (1993) 91
Hayamizu, K., see S. Hayashi	205 (1993) 597
Hayashi, S. and K. Hayamizu, Line shapes in CP/MAS NMR spectra of half-integer quadrupolar nuclei (Chem. Phys. Letters 203 (1993) 319). Erratum	205 (1993) 597
Hendra, P.J., see P.R. Birkett	205 (1993) 399
Hennig, S., A. Cenian and H. Gabriel, Rotational relaxation of HCl in an Ar matrix	205 (1993) 354
Hiemstra, R.S., A.B. van der Kamp, W.J. van der Zande, A.G. Brenton and M. Larsson, Vibrational distribution of $NO^{2+}$ ions formed by electron impact ionization	205 (1993) 236
Holl, N., P. Emele, H. Port, H.C. Wolf, H. Strobel, T. Kesmarszky and F. Effenberger, Lowest excited singlet states of $\alpha$ -9-anthrylpolyenes	205 (1993) 25

- Honma, K., see Y. Naitoh 205 (1993) 423
- Hrušák, J. and H. Schwarz, Ab initio MO calculations on the electronic and geometric structure of fullerene dications,  $C_{60}^{2+}$ , and the double-ionization energy of  $C_{60}$  205 (1993) 187
- Hudson, B.S., see J. Berryhill 205 (1993) 39
- Huie, R.E. and C.L. Clifton, Kinetics of the self-reaction of hydroxymethylperoxyl radicals 205 (1993) 163
- Hurley, M.D., see T.J. Wallington 205 (1993) 62
- Hwang, S.M., M.J. Rabinowitz and W.C. Gardiner Jr., Recombination of methyl radicals at high temperatures 205 (1993) 157
- Iachello, F. and S. Oss, Algebraic model of bending vibrations of complex molecules 205 (1993) 285
- Illenberger, E., see M. Meinke 205 (1993) 213
- Ioannidis, A., M.F. Lawrence, H. Kass, R. Coté, J.P. Dodelet and R.M. Leblanc, Field dependence of hole mobilities in chloro-aluminum phthalocyanine 205 (1993) 46
- Iraqi, M. and H. Schwarz, Gas-phase generation and characterization of linear silicon carbon hydrides  $SiC_xH^+$  ( $x=4, 6$ ) by neutralization-reionization mass spectrometry 205 (1993) 183
- Itagaki, H. and I. Takahashi, Reversible gelation process of isotactic polystyrene revealed by fluorescence measurements 205 (1993) 446
- Jankowski, K. and P. Malinowski, Application of the complete-model-space MR-CCSD theory to the  $2s^2\ ^1S$  and  $2p^2\ ^1S$  states of Be 205 (1993) 471
- Jensen, M.H., see J.M. Hammerstad-Pedersen 205 (1993) 591
- Jeung, G.-H., see T. Leininger 205 (1993) 301
- Jørgensen, P., see Y. Luo 205 (1993) 555
- Jortner, J., M. Bixon, B. Wegewijs, J.W. Verhoeven and R.P.H. Rettschnick, Long-range, photoinduced charge separation in solvent-free donor-bridge-acceptor molecules 205 (1993) 451
- Kajikawa, K., H. Takezoe and A. Fukuda, Orientational structure of noncentrosymmetric domain of merocyanine J-aggregates studied by surface second-harmonic generation 205 (1993) 225
- Kajimoto, O., see Y. Naitoh 205 (1993) 423
- Kamat, P.V., see U. Stafford 205 (1993) 55
- Kashiwagi, H., see S. Yamamoto 205 (1993) 306
- Kassi, H., see A. Ioannidis 205 (1993) 46
- Kato, T., T. Kodama and T. Shida, Spectroscopic studies of the radical anion of  $C_{60}$ . Detection of the fluorescence and reinvestigation of the ESR spectrum 205 (1993) 405
- Katscher, U., R. Schmidt and H.-D. Brauer, Triplet-sensitized cycloreversion of endoperoxides of aromatic compounds. An adiabatic reaction route 205 (1993) 75
- Keshavamurthy, S. and W.H. Miller, A semiclassical model to incorporate multidimensional tunneling in classical trajectory simulations using locally conserved actions 205 (1993) 96
- Kesmarsky, T., see N. Holl 205 (1993) 25
- Khanna, S.N. and F. Reuse, Hydrogen absorption around neutral and charged Ni atoms 205 (1993) 248
- Kharkats, Y.I., see J.M. Hammerstad-Pedersen 205 (1993) 591
- Kinsey, J.L., see F. Remacle 205 (1993) 267
- Kleinhesselink, D. and M. Wolfsberg, Application of the MUSIC method for spectral estimation to a model system 205 (1993) 461
- Kobayashi, N., W.A. Nevin, S. Mizunuma, H. Awaji and M. Yamaguchi, Ring-expanded porphyrins as an approach towards highly conductive molecular semiconductors 205 (1993) 51
- Kodama, T., see T. Kato 205 (1993) 405

Kong, F., see N. Zhang	205 (1993) 178
Köppel, H., New ultrafast nonradiative decay mechanism in the benzene radical cation	205 (1993) 361
Krishnan, V., see M. Raghavan	205 (1993) 19
Kroto, H.W., see P.R. Birkett	205 (1993) 399
Kubát, P., T. Vondrák, P. Engst and Z. Zelinger, Pulsed laser photolysis of dirhenium decacarbonyl at 308 nm	205 (1993) 429
Kumar, A., see R.K. Vatsa	205 (1993) 133
Kuppermann, A. and Y.-S.M. Wu, The geometric phase effect shows up in chemical reactions	205 (1993) 577
Kutzelnigg, W., see C. van Wüllen	205 (1993) 563
Kuznetsov, A.M., see J.M. Hammerstad-Pedersen	205 (1993) 591
Lamb, R.N., see N. Than-Trong	205 (1993) 219
Laria, D. and R. Fernandez-Prini, Ion-pair solvation in aqueous clusters	205 (1993) 260
Larsson, M., see R.S. Hiemstra	205 (1993) 236
Lask, G.M., J. Agreiter, R. Schlachta and V.E. Bondybey, Infrared emission and nonradiative relaxation of C <sub>2</sub> in solid neon	205 (1993) 31
Lavendy, H., J.M. Robbe and J.P. Flament, MCSCF-CI calculations of the CO <sup>+</sup> ion	205 (1993) 456
Lawley, K.P., see R.J. Donovan	205 (1993) 129
Lawrence, M.F., see A. Ioannidis	205 (1993) 46
Leblanc, R.M., see A. Ioannidis	205 (1993) 46
Lee, S.-L., see J.-A. Chen	205 (1993) 80
Lee, T.J., see J.M.L. Martin	205 (1993) 535
Lee, T.-S., see J.-A. Chen	205 (1993) 80
Leininger, T., J.-F. Riehl, G.-H. Jeung and M. Pélissier, Comparison of the widely used HF pseudo-potentials: MH <sup>+</sup> (M=Fe, Ru, Os)	205 (1993) 301
Lermé, J., see B. Baguenard	205 (1993) 13
Letardi, T., see V. Aquilanti	205 (1993) 229
Levine, R.D., see F. Remacle	205 (1993) 267
Lewenkopf, C., see Y. Wang	205 (1993) 521
Lian, L., F. Akhtar, P.A. Hackett and D.M. Rayner, Reaction of the copper dimer, Cu <sub>2</sub> , with ethylene in the gas phase	205 (1993) 487
Lianos, P., Calculation of the rate constant for fluorescence quenching in organized molecular assemblies (Chem. Phys. Letters 202 (1993) 471). Erratum	205 (1993) 599
Lindgren, S.-Å., C. Svensson and L. Walldén, Submonolayer Na coverage threshold for water vapour adsorption on Cu(111)/Na	205 (1993) 391
Loew, G.H., see Y.-T. Chang	205 (1993) 543
Lohr, L.L., see M.R. Savina	205 (1993) 200
Long, H.W., see C.R. Bowers	205 (1993) 168
Luckhaus, D. and M. Quack, The role of potential anisotropy in the dynamics of the CH chromophore in CHX <sub>3</sub> (C <sub>3v</sub> ) symmetric tops	205 (1993) 277
Luo, Y., O. Vahtras, H. Ågren and P. Jørgensen, Frequency-dependent polarizabilities and second hyperpolarizabilities of N <sub>2</sub>	205 (1993) 555
Malinowski, P., see K. Jankowski	205 (1993) 471
Maricq, M.M., see T.J. Wallington	205 (1993) 62
Marshall, P., see C.A. Taylor	205 (1993) 493



Martin, J.M.L., P.R. Taylor and T.J. Lee, Accurate ab initio quartic force fields for the N <sub>2</sub> O and CO <sub>2</sub> molecules	205 (1993) 535
Marynick, D.S., see J.R. Rogers	205 (1993) 197
Masuda, H., see K. Waizumi	205 (1993) 317
Mayne, H.R., see J.N. Beauregard	205 (1993) 515
McClain, W.M., see Y. Shi	205 (1993) 91
McFarlane, R.A., see D.H. Burde	205 (1993) 69
Medina, F.D., see H. Wang	205 (1993) 497
Meier, B.H., see M. Tomaselli	205 (1993) 145
Meijer, G., see P.H.M. van Loosdrecht	205 (1993) 191
Meinke, M., L. Parenteau, P. Rowntree, L. Sanche and E. Illenberger, Electron-stimulated desorption of anions from condensed CF <sub>4</sub>	205 (1993) 213
Mestechkin, M.M. and G.E. Whyman, Higher Hartree-Fock frequency-dependent hyperpolarizabilities (Chem. Phys. Letters 193 (1992) 395). Erratum	205 (1993) 598
Miller, W.H., see S. Keshavamurthy	205 (1993) 96
Minichino, C., see V. Barone	205 (1993) 324
Minkin, V.I., see M.N. Glukhovtsev	205 (1993) 529
Mittal, J.P., see R.K. Vatsa	205 (1993) 133
Mittal, J.P., see R. Seshadri	205 (1993) 395
Mizunuma, S., see N. Kobayashi	205 (1993) 51
Mukherjee, T., see R. Seshadri	205 (1993) 395
Naik, P.D., see R.K. Vatsa	205 (1993) 133
Naitoh, Y., Y. Fujimura, K. Honma and O. Kajimoto, Photodissociation of the NO dimer at 193 nm. The rotational alignment of the NO(A) fragments	205 (1993) 423
Nalewajski, R.F., see A.J.C. Varandas	205 (1993) 253
Nebot Gil, I., see I. García Cuesta	205 (1993) 484
Nevin, W.A., see N. Kobayashi	205 (1993) 51
Nguyen, M.T., A theoretical study of the O=S-B=O radical	205 (1993) 572
Nieuwenhuys, B.E., see M.F.H. Van Tol	205 (1993) 207
Oldfield, E., see A.C. de Dios	205 (1993) 108
Ondrechen, M.J., see X.M. Wu	205 (1993) 85
Oss, S., see F. Iachello	205 (1993) 285
Pal, H., see R. Seshadri	205 (1993) 395
Parenteau, L., see M. Meinke	205 (1993) 213
Párkányi, C., see H. Wang	205 (1993) 497
Parry, D.E., see S.R. Andrews	205 (1993) 102
Partridge, H., see C.W. Bauschlicher Jr.	205 (1993) 479
Pasinszki, T., see M. Fehér	205 (1993) 123
Pedrini, C., see V. Ghiordănescu	205 (1993) 410
Pélissier, M., see T. Leininger	205 (1993) 301
Pellarin, M., see B. Baguenard	205 (1993) 13
Persico, M., see G. Granucci	205 (1993) 331
Pietrass, T., see C.R. Bowers	205 (1993) 168
Pines, A., see C.R. Bowers	205 (1993) 168

Port, H., see N. Holl	205 (1993) 25
Pramanick, S., see J. Berryhill	205 (1993) 39
Quack, M., see D. Luckhaus	205 (1993) 277
Rabinowitz, M.J., see S.M. Hwang	205 (1993) 157
Radloff, W., V. Stert, H.-H. Ritze and Th. Freudenberg, Ionization potentials and fragmentation thresholds of the heteroclusters benzene-(SF <sub>6</sub> ) <sub>m</sub> , <i>m</i> =1-4	205 (1993) 171
Raghavan, M. and V. Krishnan, Excitation energy transfer in covalently linked phorphoride-porphyrin systems	205 (1993) 19
Rama Rao, K.V.S., see R.K. Vatsa	205 (1993) 133
Rao, C.N.R., see R. Seshadri	205 (1993) 395
Rayner, D.M., see L. Lian	205 (1993) 487
Remacle, F., R.D. Levine and J.L. Kinsey, The determination of time cross correlation functions by inversion of Raman excitation profiles	205 (1993) 267
Rettschnick, R.P.H., see J. Jortner	205 (1993) 451
Reuse, F., see S.N. Khanna	205 (1993) 248
Ridley, T., see R.J. Donovan	205 (1993) 129
Riehl, J.-F., see T. Leininger	205 (1993) 301
Ritze, H.-H., see W. Radloff	205 (1993) 171
Robbe, J.M., see H. Lavendy	205 (1993) 456
Robyr, P., see M. Tomaselli	205 (1993) 145
Rodriguez, G. and J.G. Eden, Dynamics of vibrational wave packets in the C <sup>1</sup> Π <sub>u</sub> state of Cs <sub>2</sub>	205 (1993) 371
Rogers, J.R. and D.S. Marynick, Theoretical estimates of the η <sup>6</sup> bonding capability of buckminsterfullerene in transition metal complexes	205 (1993) 197
Roser, D. and M. Vala, A magnetic circular dichroism study of cobalt atoms in a xenon matrix	205 (1993) 6
Rowntree, P., see M. Meinke	205 (1993) 213
Rubio, A., see O.V. Gritsenko	205 (1993) 348
Sahm, D.K. and D.L. Thompson, Semiclassical calculation of state-selective electronic predissociation rate constants	205 (1993) 241
Sahni, V., see K.D. Sen	205 (1993) 313
Saito, S., see Y. Wang	205 (1993) 521
Sanche, L., see M. Meinke	205 (1993) 213
Sánchez de Merás, A., see I. García Cuesta	205 (1993) 484
Savina, M.R., L.L. Lohr and A.H. Francis, A particle-on-a-sphere model for C <sub>60</sub>	205 (1993) 200
Schlachta, R., see G.M. Lask	205 (1993) 31
Schleyer, P.von R., see M.N. Glukhovtsev	205 (1993) 529
Schmidt, A.B., Ion binding by weakly charged polyions in unsymmetrical diluted electrolytes	205 (1993) 587
Schmidt, R., see U. Katscher	205 (1993) 75
Scholz, G., see L.A. Curtiss	205 (1993) 550
Schwarz, H., see M. Iraqi	205 (1993) 183
Schwarz, H., see J. Hrušák	205 (1993) 187
Seidner, L., W. Domcke and W. von Niessen, $\tilde{X}^2A_g-\tilde{A}^2B_{1g}$ conical intersection in the pyrazine cation and its effect on the photoelectron spectrum	205 (1993) 117



- Sen, K.D., M. Slamet and V. Sahni, Atomic shell structure in Hartree-Fock theory 205 (1993) 313
- Seshadri, R., C.N.R. Rao, H. Pal, T. Mukherjee and J.P. Mittal, Interaction of C<sub>60</sub> and C<sub>70</sub> with aromatic amines in the ground and excited states. Evidence for fullerene-benzene interaction in the ground state 205 (1993) 395
- Shapley, J.R., see Y. Zhang 205 (1993) 508
- Shi, Y., W.M. McClain and R.A. Harris, An extension of the Mueller scattering matrix to nonlinear light scattering 205 (1993) 91
- Shida, T., see T. Kato 205 (1993) 405
- Siegbahn, P.E.M., The Ziegler-Natta olefin insertion reaction into a metal-alkyl bond for second-row transition metal atoms 205 (1993) 290
- Slamet, M., see K.D. Sen 205 (1993) 313
- Stafford, U., K.A. Gray, P.V. Kamat and A. Varma, An in situ diffuse reflectance FTIR investigation of photocatalytic degradation of 4-chlorophenol on a TiO<sub>2</sub> powder surface 205 (1993) 55
- Stert, V., see W. Radloff 205 (1993) 171
- Stevens, B., C.J. Biver III and D.-C. Yuan, Dual fluorescence of 1-nitro, 4"-amino, *p*-terphenyl: origin and selective quenching 205 (1993) 440
- Strobel, H., see N. Holl 205 (1993) 25
- Subra, R., see V. Barone 205 (1993) 324
- Suter, U.W., see M. Tomaselli 205 (1993) 145
- Svensson, C., see S.-Å. Lindgren 205 (1993) 391
- Svensson, S. and H. Ågren, Do shape resonances exist in core electron shake spectra of free molecules? 205 (1993) 387
- Szczepanski, J., C. Chapo and M. Vala, Visible and infrared spectra of matrix-isolated perylene cations 205 (1993) 434
- Takahashi, I., see H. Itagaki 205 (1993) 446
- Takezoe, H., see K. Kajikawa 205 (1993) 225
- Taylor, C.A. and P. Marshall, A discharge-flow/chemiluminescence study of the reaction O+Si<sub>2</sub>H<sub>6</sub> at room temperature 205 (1993) 493
- Taylor, P.R., see J.M.L. Martin 205 (1993) 535
- Taylor, R., see P.R. Birkett 205 (1993) 399
- Than-Trong, N., P.Y. Timbrell and R.N. Lamb, An XPS study of polyimide film formation from the vapour deposition polymerisation of pyromellitic diimide (PMDI) and 4,4'-oxydianiline (ODA) 205 (1993) 219
- Thompson, D.L., see D.K. Sahn 205 (1993) 241
- Timbrell, P.Y., see N. Than-Trong 205 (1993) 219
- Tománek, D., see Y. Wang 205 (1993) 521
- Tomaselli, M., B.H. Meier, P. Robyr, U.W. Suter and R.R. Ernst, Probing microheterogeneity in polymer systems via two-dimensional <sup>129</sup>xenon NMR spy detection. A heterogeneous model blend system 205 (1993) 145
- Ulstrup, J., see J.M. Hammerstad-Pedersen 205 (1993) 591
- Vahtras, O., see Y. Luo 205 (1993) 555
- Vala, M., see D. Roser 205 (1993) 6
- Vala, M., see J. Szczepanski 205 (1993) 434
- Van Bentum, P.J.M., see P.H.M. van Loosdrecht 205 (1993) 191

- Van der Kamp, A.B., see R.S. Hiemstra 205 (1993) 236  
Van der Zande, W.J., see R.S. Hiemstra 205 (1993) 236  
Van E. Hommes, N.J.R., see M.N. Glukhovtsev 205 (1993) 529  
Van Loosdrecht, P.H.M., P.J.M. van Bentum and G. Meijer, Raman scattering in electronically excited  $C_{60}$  205 (1993) 191  
Van Tol, M.F.H., J. de Maaier-Gielbert and B.E. Nieuwenhuys, Critical size of surfaces and means of synchronization for the oscillating reduction of NO by  $NH_3$  over Rh 205 (1993) 207  
Van Wüllen, C. and W. Kutzelnigg, The MC-IGLO method 205 (1993) 563  
Varandas, A.J.C. and R.F. Nalewajski, Virial theorem constraints on  $n$ -body terms of potential energy surfaces 205 (1993) 253  
Varma, A., see U. Stafford 205 (1993) 55  
Vatsa, R.K., A. Kumar, P.D. Naik, K.V.S. Rama Rao and J.P. Mittal, Time-resolved infrared fluorescence from  $2\nu_1$  and  $2\nu_4$  modes of  $CF_2Cl_2$  excited by a  $CO_2$  laser 205 (1993) 133  
Vecchiocattivi, F., see V. Aquilanti 205 (1993) 229  
Verhoeven, J.W., see J. Jortner 205 (1993) 451  
Veszprémi, T., see M. Fehér 205 (1993) 123  
Vialle, J.L., see B. Baguenard 205 (1993) 13  
Vieth, H.-M. and C.S. Yannoni, Cross polarization in solid state NMR spectroscopy. Efficient polarization transfer via the non-Zeeman spin reservoir 205 (1993) 153  
Vodà, M., see V. Ghiordănescu 205 (1993) 410  
Vondrák, T., see P. Kubát 205 (1993) 429  
Von Niessen, W., see L. Seidner 205 (1993) 117
- Waizumi, K., H. Masuda and N. Fukushima, A molecular approach to the formation of  $KCl$  and  $MgCl^+$  ion-pairs in aqueous solution by density functional calculations 205 (1993) 317  
Walldén, L., see S.-Å. Lindgren 205 (1993) 391  
Wallington, T.J., M.D. Hurley and M.M. Maricq, FTIR product study of the self-reaction of  $FC(O)O_2$  radicals 205 (1993) 62  
Walton, D.R.M., see P.R. Birkett 205 (1993) 399  
Wang, H. and M. Frenklach, Modification of Troe's fall-off broadening 205 (1993) 271  
Wang, H., F.D. Medina, M.S. Antonious, C. Párkányi, J.E. Haky, D.M. Baird and Y.-D. Zhou, Spectroscopic studies of  $ZnWO_4$  single crystals 205 (1993) 497  
Wang, Y., C. Lewenkopf, D. Tománek, G. Bertsch and S. Saito, Collective electronic excitations and their damping in small alkali clusters 205 (1993) 521  
Weaver, M.J., see Y. Zhang 205 (1993) 508  
Wegewijs, B., see J. Jortner 205 (1993) 451  
Whyman, G.E., see M.M. Mestechkin 205 (1993) 598  
Wilson, P.J., see R.J. Donovan 205 (1993) 129  
Wolf, H.C., see N. Holl 205 (1993) 25  
Wolfsberg, M., see D. Kleinhesselink 205 (1993) 461  
Wu, X., see N. Zhang 205 (1993) 178  
Wu, X.M. and M.J. Ondrechen, Third-order nonlinear optical properties of finite bridged polymers 205 (1993) 85  
Wu, Y.-S.M., see A. Kuppermann 205 (1993) 577
- Xu, S. and M.D. Harmony, Halocarbene production in free-jet expansions from a hot nozzle 205 (1993) 502

Yamaguchi, M., see N. Kobayashi	205 (1993) 51
Yamamoto, S. and H. Kashiwagi, CASSCF calculation on dioxygen heme complex with extended basis set	205 (1993) 306
Yang, T.T., see D.H. Burde	205 (1993) 69
Yannoni, C.S., see H.-M. Vieth	205 (1993) 153
Yesinowski, J.P., see G. Cho	205 (1993) 1
Yu, Z., see N. Zhang	205 (1993) 178
Yuan, D.-C., see B. Stevens	205 (1993) 440
Zelinger, Z., see P. Kubát	205 (1993) 429
Zerbetto, F., see J. Berryhill	205 (1993) 39
Zgierski, M.Z., see J. Berryhill	205 (1993) 39
Zhang, N., Z. Yu, X. Wu, Z. Gao, Q. Zhu and F. Kong, The formation of hydrogenated carbon clusters by laser ablation	205 (1993) 178
Zhang, Y., Y. Du, J.R. Shapley and M.J. Weaver, Surface-enhanced Raman spectroscopy of electroactive films of C <sub>60</sub> and an Ir-C <sub>60</sub> complex on gold: symmetry lowering, electron localization, and counteraction effects	205 (1993) 508
Zhou, Y.-D., see H. Wang	205 (1993) 497
Zhu, Q., see N. Zhang	205 (1993) 178
Ziurys, L.M., see M.A. Anderson	205 (1993) 415